

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	"313920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 16:29
S1	7	filter and cartridge and nonwoven and twill	USPAT	OR	ON	2004/12/07 09:00
S2	7	filter and cartridge and nonwoven and twill	USPAT	OR	ON	2002/11/15 13:36
S3	6	filter and cartridge and nonwoven and twill and (cylinder or tub\$5)	USPAT	OR	ON	2002/11/15 13:37
S4	9	filter and cartridge and nonwoven and twill and (cylinder or tub\$5)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:10
S5	122	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:30
S6	938	kabushiki and kaisha and takano	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:11
S7	130	kabushiki and kaisha and takano and filter	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:12
S8	25	"5225014"	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:12
S9	13	"313920"	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:25
S10	16	takano and wada and yoneji	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:25
S11	28	filter.ab. and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:31
S12	12	filter.ab. and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (melt or melt\$5)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:42
S13	0	filter.ab. and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 09:49

S14	14	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:44
S15	16	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:45
S16	16	filter and (nonwoven non-woven (non adj woven) web or webbing or mat or matting) and twill and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:46
S17	845	filter and (nonwoven non-woven (non adj woven) web or webbing or mat or matting) and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:46
S18	142	filter.ab. and (nonwoven non-woven (non adj woven) web or webbing or mat or matting) and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 13:48
S19	55	filter.ab. and (nonwoven non-woven (non adj woven) web or webbing or mat or matting) and (cylinder or tub\$5) and (melt or melt\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath)) and (wind\$5 or wound\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 14:27
S20	10	"518614"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 14:28

S21	4	"6090731"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 14:30
S22	6	"6090731".pn. "5721180".pn. "5652041".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/27 14:30
S23	3	"6090731".pn. "5721180".pn. "5652041".pn.	US-PGPUB; USPAT; EPO	OR	ON	2003/05/27 14:30
S24	1	filter.ab. and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 09:51
S25	20	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 11:00
S26	22	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:34
S27	3	"4045810"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:19
S28	25	"101957"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:19
S29	0	"90150284"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:20
S30	202	cartridge and filter and nonwoven and porous and cylinder	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:34
S31	78	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath) composite)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:44

S32	40	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and perforat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:49
S33	43	filter\$5 and (nonwoven\$3 non-woven\$3 (non adj woven\$3)) and twill and (cylinder or tub\$5) and perforat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 10:55
S34	1	"2521055".PN.	USPAT	OR	ON	2003/05/28 10:54
S35	1	"2689813".PN.	USPAT	OR	ON	2003/05/28 10:54
S36	1	"3061107".PN.	USPAT	OR	ON	2003/05/28 10:54
S37	440	(210/497.1).CCLS.	USPAT; USOCR	OR	OFF	2003/05/28 10:56
S38	0	("14and(nonwovennon-woven(non adjwoven))andtwilland(cylinderortub\$5)and(bi-componentmulti-componentbicomponentmulticomponent(corenear5sheath)))".PN.	USPAT; USOCR	OR	OFF	2003/05/28 11:01
S39	0	((210/497.1).CCLS.) and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5) and (bi-component multi-component bicomponent multicomponent (core near5 sheath))	USPAT	OR	ON	2003/05/28 11:01
S40	2	((210/497.1).CCLS.) and (nonwoven non-woven (non adj woven)) and twill	USPAT	OR	ON	2003/05/28 11:03
S41	1	"2201628".PN.	USPAT	OR	ON	2003/05/28 11:02
S42	1	"2604994".PN.	USPAT	OR	ON	2003/05/28 11:02
S43	1	"2697524".PN.	USPAT	OR	ON	2003/05/28 11:02
S44	1	"2816663".PN.	USPAT	OR	ON	2003/05/28 11:02
S45	1	"2863561".PN.	USPAT	OR	ON	2003/05/28 11:02
S46	1	"3398834".PN.	USPAT	OR	ON	2003/05/28 11:03
S47	1	"3537592".PN.	USPAT	OR	ON	2003/05/28 11:03
S48	1	"4632755".PN.	USPAT	OR	ON	2003/05/28 11:03
S49	1	"4642182".PN.	USPAT	OR	ON	2003/05/28 11:03
S50	4	filter and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5)	EPO; JPO; DERWENT	OR	ON	2003/05/28 11:11
S51	4	filter\$5 and (nonwoven non-woven (non adj woven)) and twill and (cylinder or tub\$5)	EPO; JPO; DERWENT	OR	ON	2003/05/28 11:11

S52	4	filter\$5 and (nonwoven non-woven (non adj woven) web webbing mat sheet\$5) and twill and (cylinder or tub\$5)	EPO; JPO; DERWENT	OR	ON	2003/05/28 11:25
S53	250	filter\$5 and (nonwoven non-woven (non adj woven) web webbing mat sheet\$5) and twill and (cylinder or tub\$5)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 11:26
S54	62	filter\$5 and (nonwoven non-woven (non adj woven) web webbing mat sheet\$5) and twill and (cylinder or tub\$5) and perforat\$5	USPAT; EPO; JPO; DERWENT	OR	ON	2003/05/28 11:26
S55	1	"3834547".pn.	USPAT	OR	ON	2003/05/28 14:23
S56	3	"3834547"	USPAT	OR	ON	2004/03/17 13:34
S57	1	"2521055".PN.	USPAT	OR	ON	2004/03/17 13:33
S58	1	"3599796".PN.	USPAT	OR	ON	2004/03/17 13:33
S59	1	"3512232".PN.	USPAT	OR	ON	2004/03/17 13:33
S60	1	"3450632".PN.	USPAT	OR	ON	2004/03/17 13:34
S61	1	"3033719".PN.	USPAT	OR	ON	2004/03/17 13:34
S62	1	"2689813".PN.	USPAT	OR	ON	2004/03/17 13:34
S63	3	"3834547"	US-PGPUB; USPAT	OR	ON	2004/03/17 13:57
S64	1	(perforat\$ near4 cylinder) and ((non-woven or nonwoven) near4 strip same twill)	US-PGPUB; USPAT	OR	ON	2004/03/17 14:08
S65	7	"313920"	US-PGPUB; USPAT	OR	ON	2004/03/17 14:08
S66	7	"313920"	US-PGPUB; USPAT	OR	ON	2004/03/17 14:09
S67	49	"52715"	US-PGPUB; USPAT	OR	ON	2004/03/17 14:09
S68	49	"52715"	US-PGPUB; USPAT	OR	ON	2004/03/17 14:09
S69	58	"52715"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:25
S70	6	"052715"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:25
S71	0	"05-2715"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:25

S72	6447	"2715"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:39
S73	4	"6090731"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/03/17 14:39
S74	2	(filter\$5) and ((direct\$5 near3 align\$5) or (aligned) or parallel\$3) near4 (spunbond\$5 or spun-bond\$5 or spunlaid or spun-laid or spunlaying or spun-laying)	USPAT	OR	ON	2004/12/07 09:01
S75	5	(filter\$5 or filtration) and ((directionally near3 align\$3) or (aligned) or parallel\$3) near4 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 09:13
S76	14	"821044"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 09:10
S77	211	"4948580" "5040185" "5338783" "5551058" "5730368" "5754581" "6228226" "160408" "336948"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 09:11
S78	17	((directionally near3 align\$3) or (aligned) or parallel\$3) near4 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 09:17
S79	33	((directionally near3 align\$3) or (aligned) or parallel or parallelized or straight) near4 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:32
S80	32	"313920"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:25
S81	7	"4753698"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:27

S82	104	(442/366).CCLS.	USPAT	OR	OFF	2004/12/07 10:28
S83	127	(442/366).CCLS.	US-PGPUB; USPAT	OR	OFF	2004/12/07 10:28
S84	18	S83 and (spunbond\$3 or spun-bond\$4)	USPAT	OR	ON	2004/12/07 10:28
S85	27	S83 and (spunbond\$3 or spun-bond\$4)	US-PGPUB; USPAT	OR	ON	2004/12/07 10:29
S86	10	S83 and (spunbond\$3 or spun-bond\$4) and (filter or filtration)	US-PGPUB; USPAT	OR	ON	2004/12/07 10:30
S87	27	S83 and (spunbond\$3 or spun-bond\$4)	US-PGPUB; USPAT	OR	ON	2004/12/07 10:30
S88	21	((directionally near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near4 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:49
S89	33	((directionally near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near6 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:51
S90	33	((directional\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near6 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:51
S91	33	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near6 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:54
S92	1830	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near6 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or non-woven or nonwoven)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:55

S93	43	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near6 (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or spinbond\$3 or spin-bond\$3 or (spun near3 bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:58
S94	788	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) same (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or spinbond\$3 or spin-bond\$3 or (spun near3 bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:58
S95	403	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) same (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or spinbond\$3 or spin-bond\$3 or (spun near3 bond\$3)) same (filament or fiber or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:59
S96	188	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near5 (filament or fiber or fibre)) same (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or spinbond\$3 or spin-bond\$3 or (spun near3 bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 10:59
S97	64	((direction\$5 near3 align\$3) or (aligned) or parallel or parallelized or unidirection\$3 or uni-direction\$5) near5 (filament or fiber or fibre)) same (spunbond\$3 or spun-bond\$3 or spunlaid or spun-laid or spunlaying or spun-laying or spinbond\$3 or spin-bond\$3 or (spun near3 bond\$3)) and (filter or filtration or filtering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:11
S98	2	"6524521"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:04

S99	10	"5045271"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:07
S10 0	9	"2554184"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:07
S10 1	16	"360495"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:07
S10 2	2	"6524521"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:13
S10 3	1	"5807795".PN.	USPAT; USOCR	OR	ON	2004/12/07 11:12
S10 4	1	"5312500".PN.	USPAT; USOCR	OR	ON	2004/12/07 11:12
S10 5	1	"5045271".PN.	USPAT; USOCR	OR	ON	2004/12/07 11:13
S10 6	44	"2408080" "2217459"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:16
S10 7	3	"11243031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 11:16
S10 8	317	((direct\$3 near\$3 align\$2) or (aligned) or parallel\$3 or unidirection\$3 or uni-direction\$3) same (spunbond\$3 or spun-bond\$5 or spunlaid or spun-laid or spunlaying or spun-laying) same (fiber or filament or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 15:57

S10 9	18	((direct\$3 near3 align\$2) or (aligned) or parallel\$3 or unidirection\$3 or uni-direction\$3) near6 (spunbond\$3 or spun-bond\$5 or spunlaid or spun-laid or spunlaying or spun-laying) same (fiber or filament or fibre)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 15:59
S11 0	43	((direct\$3 near3 align\$2) or (aligned) or parallel\$3 or unidirection\$3 or uni-direction\$3) same (spunbond\$3 or spun-bond\$5 or spunlaid or spun-laid or spunlaying or spun-laying) same (fiber or filament or fibre)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/07 15:59